**SNC1P Element Poster Project**



**BACKGROUND**  Some of the chemical compounds that make up our world are natural like wool and flint, while others like nylon and steel are synthetic - invented and produced by people.

All substances, whether natural or synthetic, are made of the same building blocks - atoms. While there are only about 100 different kinds of atoms, atoms can combine in a variety of ways to form molecules. Molecules that are made of more than one type of atom are called compounds and the number of possible compounds is almost infinite.

**REQUIREMENTS**

* Your task is to create a poster using a GLOG (<http://edu.glogster.com/>).
* To create the poster you must decide whether you will be doing it alone or in a pair. You must then follow the checklist below which states what is needed in the poster.
* I will provide each person/group with a login/password and provide some time in class to work on it. You can also see many examples of posters at <http://edu.glogster.com/category/Chemistry/>
* In addition to your science textbook, you can use the internet to research for your poster. I have provided some links to useful websites on our class Wiki.
* Due Date is **19th October**. Marks will be deducted if the due date is missed without good reason.

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**ASSESSMENT**

* Marks will be awarded for

Accuracy Is the information contained on the poster correct?

Presentation Is the poster appealing, neat and organised?

Content Have you included all items from the checklist?

Creativity How interesting have you made the poster?

* Marks will be deducted if plagiarism is used.

This project will represent half of your final Unit Evaluation (a Unit Test will represent the other half). So this is a chance to gain marks by working independently and on your own time.

**CHECKLIST**

1. Select an element. You can use the element you researched for a previous homework assignment or pick a new one.
2. Prepare a Glog poster (with 3D components) for your element that includes the following items:
3. **Title** Use the element name and chemical symbol.
4. **Technical Info** The name, chemical symbol, atomic mass, atomic number, location (period & group), & classification (metal, nonmetal, or metalloid?).
5. **B-R Diagram** A diagram that shows the # of protons & neutrons in the nucleus & the # of electrons in orbit around the nucleus. (See Mr. McCormack for help/hints with this one if you’re having difficulty.)
6. **Manufacture** Where is the element found (in nature) or how is it made?
7. **Physical Properties** The melting & boiling point, state & appearance (at room temperature).
8. **Chemical Properties** Describe 2 chemical properties of the element..
9. **History** Who discovered the element? When was it discovered? How was the element discovered? How did the element get it’s name? (This information may be difficult to find. If there is no information available for a particular question, be sure to put “Information not available!”)
10. **Uses** Name 3 uses of the element and/or compounds that use the element.
11. **Interesting Facts** 3 “Did you know ...” statements about the element that are not included elsewhere in the poster.